

# PNEUMATIC PISTON CUT-OFF VALVE

气动活塞切断阀



# PNEUMATIC PISTON CUT-OFF VALVE 气动活塞切断阀



#### 产品特点 Products Features

- 1、整体高度可减小约30%, 重量可减轻约30%。
- 2、阀体按流体力学原理设计成等截面低流阻流道,额定流量系统数增大30%。
- 3、密封形式为软、硬密封2种,采用聚四氟乙烯或对位聚苯密封,硬密封堆焊 硬质合金,密封性能好。
- 4、平衡型阀内件,提高了切断阀的许用压差。
- The overall height of the valve can be reduced by about 30%; and the weight can be reduced by about 30%.
- The valve body is designed as a low flow resistance passage with constant cross section according to the fluid mechanics principle; and its rated flow coefficient increases by 30%.
- There are soft and hard two kinds of sealing forms. PTFE or PPPs are used for soft sealing. Hard sealing is overlaid with hard alloy. The sealing performance is better.
- 4. Balanced valve trim improves the allowable pressure difference of cut-off valve.



#### 主要零件材料 Part material

阀体 Body	HT200、QT450、WCB、304、316、316L
阀芯 Plug	304、316、316L
阀座 Seat	304、316、316L
阀杆 Stem	304、316、316L
执行器材质 Actuator material	ZG230-450 (WCB)
填 料 Packing	聚四氟乙烯、柔性石墨 PTFE、Flexible graphite
活塞 Piston	ZAISi12

注: 常规材质为碳钢和不锈钢两种, 可根据用户现场条件订制特殊材质控制阀产品。

The conventional material is carbon steel and stainless steel, and the special material regulating valve products can be customized according to the user's work conditions.

3- www.bcstgroup.com -084-

# PNEUMATIC PISTON CUT-OFF VALVE 气动活塞切断阀

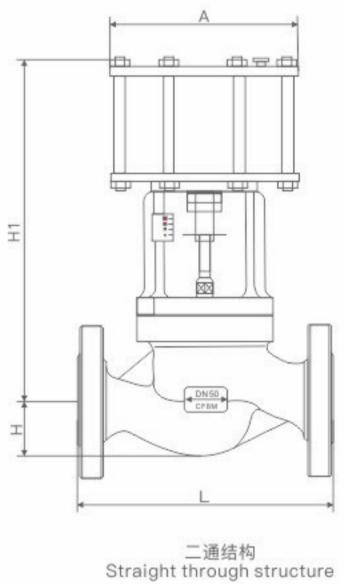


#### 技术参数 Technical Parameters

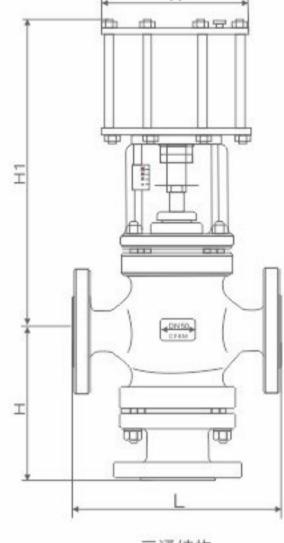
	≧DN(mm) S(in)	20 3/4	25 1	32 1-1/4	40 1-1/2	50 2	65 2-1/2	80 3	100	125 5	150 6	200 8		
	カ(MPa) pressure	PN1.6、2.5、4.0、6.4MPa												
	单座 Single seat	7	11	20	30	48	75	120	190	300	480	760		
额定流量系 数Kv Rated flow coefficient	套筒 Sleeve	8	11	20	30	48	75	120	190	300	480	760		
Cocmoione	三通 Tee	8	12	17	29	43	70	110	165	275	440	690		
	额定行程mm Rated travel		8			12		20		40		60		
	活塞有效面积cm² Effective cross-area of piston		150			175		305		700		1245		
允许泄漏量 Allowable			一般: 10 <sup>-4</sup> ×阀额定容量: 严密型: 单座: 1.2X10 <sup>-7</sup> General: 10 <sup>-4</sup> × valve rated capacity; seal type: single seat: 1.2X10 <sup>-7</sup>											
leakage	软密封 Soft seal		VI级											
Allowable	差MPa e pressure ential	≤公称压力 Nominal pressure												
	力KPa pressure	0 或 400~600 0 or 400~600												
	形式 et type	标准型(-17~+250℃)、高温型(+250~+450℃)、低温型(-40~-196℃)、波纹管密封型(-40 +350℃) Standard type (-17~+250℃), High temperature type (+250~+450℃) Low temperature type (-40~-196℃), Bellows seal type (-40~+350℃)												
0.000	型式 d type	螺栓压紧式 Bolt compression type												
	密封填料 Sealing packing		V型聚四氟乙烯填料、含浸聚四氟乙烯填料、石棉编织填料、柔性石墨 V-type PTFE packing, impregnated PTFE packing, asbestos braided packing, flexible graphite											
	阀芯形式 Plug form		Sir	ngle seat co			套筒双座 uble seat va			way struc	ture			
	特性 acteristics					Quick op	快开特性 ening char	acteristic						
	附件 ccessories	Hand-	-wheel me			n, solenoid	阅位传送器 I valve, valv up valve, c	e position			atic accel	erator,		

# PNEUMATIC PISTON CUT-OFF VALVE 气动活塞切断阀









三通结构 Three way structure

## (单座式、套筒式) 连接尺寸 (Single seater, sleeve type) connection dimensions

	径DN(mm) PS(in)	20 3/4	25 1	32 1-1/4	40 1-1/2	50 2	65 2-1/2	80 3	100	125 5	150 6	200 8
А			125		160		200			250		320
L		150	160	180	200	230	290	310	350	400	480	600
Н	DN16	53	58	70	75	83	93	100	110	125	143	170
Н1	PN16	220	220	235	235	240	250	260	265	350	400	500
Н2		120	120	120	155	155	200	200	200	230	230	230

## (三通式) 连接尺寸 (Three way structure) connecting dimensions

	通径(mm) diameter (in)	20 3/4	25 1	32 1-1/4	40 1-1/2	50 2	65 2-1/2	80 3	100 4	125 5	150 6	200 8
А		125			16	160		200			250	
L		150	160	180	200	230	290	310	350	400	480	600
Н	DN16	80	80	80	75	95	105	105	105	150	195	250
H1	PN16	220	220	235	235	240	250	260	265	350	400	500
Н2		120	120	120	155	155	200	200	200	230	230	230

注: 1、表中尺寸为不带附件标准数据,附件尺寸根据实际配置计算。

2、由于产品的技术创新与改进,尺寸可能会有所变化,最新资料请联系本公司技术部。

Note: 1. The dimensions in the table are standard data without accessories. The dimensions of accessories are calculated according to the actual configuration. 2. Due to the technical innovation and improvement of the product, the size may change. Please contact the technical department of the Company for the latest information.

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# PNEUMATIC DIAPHRAGM CUT-OFF VALVE

气动薄膜切断阀



### PNEUMATIC DIAPHRAGM CUT-OFF VALVE 气动薄膜切断阀



#### 产品特点 Products Features

- 1、整体高度可减小约30%, 重量可减轻约30%。
- 2、阀体按流体力学原理设计成等截面低流阻流道,额定流量系统数增大30%。
- 3、密封形式为软、硬密封2种,采用聚四氟乙烯或对位聚苯密封,硬密封堆焊硬质合金,密封性能好。
- 4、平衡型阀内件,提高了切断阀的许用压差。
- 1. The overall height of the valve can be reduced by about 30%; and the weight can be reduced by about 30%.
- The valve body is designed as a low flow resistance passage with constant cross section according to the fluid mechanics principle; and its rated flow coefficient increases by 30%.
- 3. There are soft and hard two kinds of sealing forms. PTFE or PPPs are used for soft sealing. Hard sealing is overlaid with hard alloy. The sealing performance is better.
- 4. Balanced valve trim improves the allowable pressure difference of cut-off valve.

#### 主要零件材料 Part material

阀体 Body	ZG230~450、ZG1Cr18Ni9Ti、ZGCr18Ni12Mo2Ti
阀芯 Plug	1Cr18Ni9Ti、Cr18Ni12Mo2Ti
阀座 Seat	1Cr18Ni9Ti、Cr18Ni12Mo2Ti
阀杆 Stem	1Cr18Ni9Ti、Cr18Ni12Mo2Ti
执行器材质 Actuator material	A3、1Cr18Ni9Ti
填料 Filler	聚四氟乙烯、柔性石墨 PTFE, Flexible graphite
膜片 Diaphragm	丁腈橡胶、耐油橡胶、氟橡胶 Nitrile rubber, oil resistant rubber, fluorine rubber

#### 注: 常规材质为碳钢和不锈钢两种, 可根据用户现场条件订制特殊材质控制阀产品。

The conventional material is carbon steel and stainless steel, and the special material regulating valve products can be customized according to the user's work conditions.

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## PNEUMATIC DIAPHRAGM CUT-OFF VALVE 气动薄膜切断阀

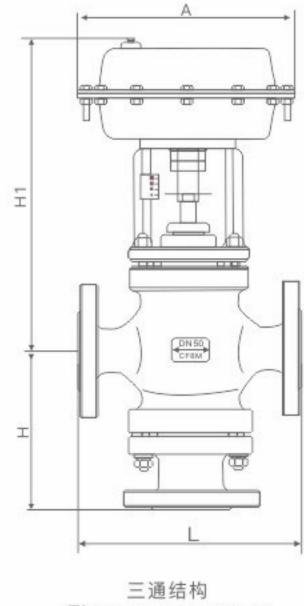


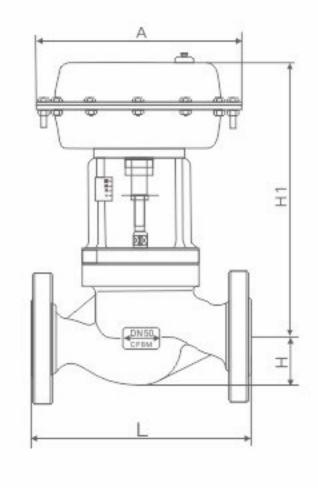
#### 技术参数 Technical Parameters

	EDN(mm) S(in)	20 3/4	25 1	32 1-1/4	40 1-1/2	50 2	65 2-1/2	80 3	100	125 5	150 6	200 8		
	ታ(MPa) pressure		PN1.6、2.5、4.0、6.4MPa											
<b>死</b> 中 法 导	单座 Single seat	7	11	20	30	48	75	120	190	300	480	760		
额定流量 系数Kv Rated flow coefficient		8	11	20	30	48	75	120	190	300	480	760		
	三通 Tee	8	12	17	29	43	70	110	165	275	440	690		
额定行 Rated	程mm travel	8			1	2	2	0	25	4	0	60		
活塞有效面积cm² Effective piston area		100			20	00		400		60	00	1000		
允许 泄露量	硬密封 Hard seal			Gener	一般:10 <sup>-</sup> 4× va		容量: 严密 apacity; sea			2X10 <sup>-7</sup>				
Allowable leakage	软密封 Soft seal		VI级											
允许压差 MPa	正作用 Positive effect	5.09	2.91	1.85	2.18	1.33	1.52	0.99	0.62	0.60	0.69	0.39		
Allowable differential pressure	反作用 Counter action	6.4	3.88	2.47	2.91	1.77	2.03	1.32	0.83	0.80	0.92	0.52		
信号压 Signal p	カKPa pressure	0 或 400~600 0 or 400~600												
	形式 ver form	标》	标准型(-17~+250℃)、高温型(+250~ +450℃)、低温型(-40~-196℃)、波纹管密封型(-40~+350℃) The standard type (-17~+250℃), high temperature (+250~+450℃) and low temperature (-40~-196℃), bellows seal type (-40~+350℃)											
	压盖型式 Gland type		螺栓压紧式 Bolt pressing type											
	密封填料 Sealing packing		V type P		氟乙烯填料 g, impregn						graphite			
	形式 form						座锥式阀/ igle seat va							
流量 Flow chara	特性 acteristics					Quick op	快开特性 ening chara	acteristic						

## PNEUMATIC DIAPHRAGM CUT-OFF VALVE 气动薄膜切断阀

# BCST<sup>®</sup> 杰创集团





三通结构 Three way structure

二通式结构 Straight through structure

## (单座式、套筒式) 连接尺寸 (Single seater, sleeve type) connection dimensions

	径DN(mm) S(in)	20 3/4	25 1	32 1-1/4	40 1-1/2	50	65 2-1/2	80	100	125 5	150 6	200
А			196		23	32		308		39	94	498
L		150	160	180	200	230	290	310	350	400	480	600
Н	PN16	53	58	70	75	83	93	100	110	125	143	170
H1		340	345	370	380	390	475	490	500	765	825	927

## (三通式) 连接尺寸 (Three way structure) connecting dimensions

	通径(mm) diameter (in)	20 3/4	25 1	32 1-1/4	40 1-1/2	50 2	65 2-1/2	80	100	125 5	150 6	200 8
А		196		232		308			394		498	
L		150	160	180	200	230	290	310	350	400	480	600
Н	PN16	132	132	135	140	150	160	160	170	325	450	495
Н1		340	345	370	380	390	475	490	500	765	825	927

注: 1、表中尺寸为不带附件标准数据,附件尺寸根据实际配置计算。

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